AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-13 (Canceled)

14.   (Currently Amended) A method for generating ATM cells for low bit rate applications, said method comprising:

~~multiplexing a plurality of low bit rate connections into a same ATM connection; and~~

scheduling ~~ATM cell~~ transmission times <u>for ATM cells</u> in a way that as long as there is data available from at least one of ~~said~~ <u>a plurality of</u> low bit rate connections, ~~ATM cell~~ <u>the</u> transmission times are spaced according to a cell rate negotiated for <u>a</u> ~~the~~ corresponding ATM connection ~~and in a way as to keep ATM cell spacing as constant as possible~~<u>; and</u>

<u>multiplexing the low bit rate connections into the ATM connection so that the ATM cells are transmitted at scheduled transmission times.</u>

15.   (Previously Presented) The method according to claim 14, wherein said cell rate is a Peak Cell Rate PCR in the case of service category of DBR, or Deterministic Bit Rate, or CBR, or Constant bit Rate, type.

16.   (Previously Presented) The method according to claim 14, wherein said cell rate is a Block Cell Rate BCR in the case of service category of ABT, or ATM Block Transfer, type.

17.   (Previously Presented) The method according to claim 14, wherein said cell rate is an Allowed Cell Rate ACR in the case of service category of ABR, or Available Bit Rate, type.

18.   (Previously Presented) A method according to claim 14, wherein said cell rate may be re- negotiated.

19.   (Previously Presented) The method according to claim 14, wherein no ATM cell is sent when there is no data available from any of said low bit rate connections, and said method includes a further step of referencing said scheduling step with respect to the next availability of data from at least one of said low bit rate connections.

20.   (Previously Presented) The method according to claim 14, wherein said low bit rate connections are assigned different priorities, and said multiplexing step includes an intra-priority multiplexing for multiplexing low bit rate connections of the same priority, and an inter-priority multiplexing for multiplexing low bit rate connections of different priorities.

21.   (Previously Presented) The method according to claim 20, wherein said intra-priority multiplexing and said inter-priority multiplexing are both carried out at ATM Adaptation Layer level.

22.   (Currently Amended) A device for generating ATM cells for low bit rate applications, said device comprising:

~~means for multiplexing a plurality of low bit rate connections into a same ATM connection; and~~

means for scheduling ~~ATM cell~~ transmission times <u>for ATM cells</u> in a way that as long as there is data available from at least one of ~~said~~ <u>a plurality of</u> low bit rate connections, ~~ATM cell~~ <u>the scheduled</u> transmission times are spaced according to a cell rate negotiated for <u>a</u> ~~the~~ corresponding ATM connection ~~and in a way as to keep ATM cell spacing as constant as possible~~<u>; and</u>

<u>means for multiplexing the low bit rate connections into the ATM connection so that the ATM cells are transmitted at scheduled transmission times.</u>

23.   (Currently Amended) A base station for a mobile radio communication network, comprising a device for multiplexing low bit rate traffic from a plurality of sources into a same ATM connection for transmission to a base station controller, said device comprising:

~~means for multiplexing a plurality of low bit rate connections into a same ATM connection; and~~

means for scheduling ~~ATM cell~~ transmission times <u>for ATM cells</u> in a way that as long as there is data available from at least one of ~~said~~ <u>a plurality of</u> low bit rate connections, ~~ATM cell~~ <u>the scheduled</u> transmission times are spaced according to a cell rate negotiated for <u>a</u> ~~the~~

corresponding ATM connection and in a way as to keep ATM cell spacing as constant as

possible; and

   means for multiplexing the low bit rate connections into the ATM connection so that the

ATM cells are transmitted at the scheduled transmission times.

   24.   (Currently Amended) A base station controller for a mobile radio communication

network, comprising a device for multiplexing low bit rate traffic from a plurality of sources into

a same ATM connection, for transmission to a base station, said device comprising:

   means for multiplexing a plurality of low bit rate connections into a same ATM

connection; and

   means for scheduling ~~ATM cell~~ transmission times for ATM cells in a way that as long as

there is data available from at least one of ~~said~~ a plurality of low bit rate connections, ~~wherein~~

~~ATM cell~~ the scheduled transmission times are spaced according to a cell rate negotiated for ~~the~~

a corresponding ATM connection; and

   means for multiplexing the low bit rate connections into the ATM connection so that the

ATM cells are transmitted at the scheduled transmission times.